Accredited Africa Training Institute for Capacity Development
Unit FO409, Hatfield Plaza · 1122 Burnett St, Hatfield 0028 · Pretoria, Gauteng · South Africa
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COURSE BROCHURE

Upstream Oil & Gas Operations

Custom Courses / Energy, Oil and Gas

Unit Standard AATICD-0377 · NQF Level 5 · 4 Credits · 2 Days

COURSE OVERVIEW

This course provides a comprehensive understanding of upstream oil and gas operations, from exploration and drilling to production and decommissioning. It equips learners with the knowledge to manage operational risks, optimize production, and ensure compliance with industry standards.

Category	Custom Courses
Subfield	Energy, Oil and Gas
Unit Standard	AATICD-0377
Accreditation	SAQA Accredited · NQF Level 5 · 4 Credits
Duration	2 days
Training Method	Online, On-Campus, In-House
Certificate	Issued via AATICD LMS — verifiable online

LEARNING OUTCOMES

- Apply the principles of exploration, drilling, and production to optimize upstream operations.
- Analyze the technical and economic factors influencing upstream project viability.
- Evaluate environmental, health, and safety risks in upstream activities and propose mitigation strategies.
- Design a basic upstream production plan incorporating reservoir management and well integrity.
- Demonstrate understanding of the regulatory framework governing upstream operations in South Africa.
- Implement best practices for operational efficiency and cost management in upstream projects.

WHO SHOULD ATTEND

- This course is designed for professionals entering or working in the upstream oil and gas sector, including operations supervisors, project coordinators, and technical staff seeking to broaden their understanding of the value chain.

COURSE OUTLINE

Day 1: Introduction to Upstream Oil & Gas Operations

- Overview of the oil and gas value chain: upstream, midstream, downstream
- Key stakeholders: operators, service companies, regulators, and communities
- South African regulatory landscape: PASA, MPRDA, and environmental legislation
- Petroleum geology: source rocks, reservoirs, traps, and seals
- Exploration techniques: seismic surveys, well logging, and core sampling
- Drilling operations: rig types, drilling process, and well control
- Well completion and production basics
- Health, safety, and environmental (HSE) principles in upstream operations

Day 2: Production, Facilities, and Decommissioning

- Production systems: wellheads, flowlines, and manifolds
- Surface facilities: separation, dehydration, and treatment processes
- Reservoir management: production monitoring, artificial lift, and enhanced oil recovery
- Maintenance and integrity management of upstream facilities
- Environmental impact assessment and mitigation in upstream operations
- Decommissioning and abandonment: planning, execution, and regulatory compliance
- Case studies of upstream projects in South Africa and the region
- Future trends: digitalisation, automation, and energy transition

ASSESSMENT & CERTIFICATION

Delegates are assessed through exercises and a final test. A mark of **50% or above** earns an **AATICD Certificate of Completion**, issued digitally with a unique verification code. This course carries **4 NQF credits** at **NQF Level 5**.

PRICING (PER DELEGATE, EX-VAT)

Delegates	Training Method	Price per Delegate	Total
1	Online	R 11,900.00	**R 11,900.00**
1	In-House	R 16,100.00	**R 16,100.00**
1	On-Campus (Pretoria)	R 17,800.00	**R 17,800.00**

UPCOMING SESSIONS

Start	End	Method	Venue
01 Dec 2026	02 Dec 2026	On-Campus	Victoria Falls, Zimbabwe
01 Dec 2026	02 Dec 2026	On-Campus	Cape Town, South Africa
02 Dec 2026	03 Dec 2026	On-Campus	Shenzhen, China
02 Dec 2026	03 Dec 2026	On-Campus	Lagos, Nigeria
03 Dec 2026	04 Dec 2026	On-Campus	Durban, South Africa
08 Dec 2026	09 Dec 2026	On-Campus	Maseru, Lesotho
08 Dec 2026	09 Dec 2026	On-Campus	Kigali, Rwanda
08 Dec 2026	09 Dec 2026	On-Campus	Accra, Ghana

Contact us if no suitable date is listed — on-demand sessions can be arranged for groups.

HOW TO GET A QUOTATION OR APPLY

1. **Get an instant quotation online:** visit www.aaticd.co.za, open the page for this course (Unit Standard AATICD-0377) and click **Get A Quotation**. Select your training method and number of delegates — your quotation is generated immediately and emailed to you with the course brochure attached.
2. **Apply by email:** send the course title, your preferred training method (Online, In-House or On-Campus Pretoria), the number of delegates and your preferred dates to **apply@aaticd.co.za** — our team will reply with a formal quotation.
3. **Apply by phone or WhatsApp:** call **+27 12 004 8389** or WhatsApp **+27 65 077 6310** and we will prepare your quotation and reserve your seats.
4. **Confirm your booking:** accept the quotation and settle the invoice. As soon as payment is confirmed your delegates are enrolled and receive their AATICD LMS login details by email, along with joining instructions for their chosen training method.

Group discounts apply automatically — the more delegates you enrol, the lower the price per delegate. No payment is required to request a quotation.

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